

11:00:15 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 32 OF 35

AN 87:462650 BIOSIS

DN BA84:108090

TI ENGINEERING \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANCE\*\*\* IN PLANTS BY  
EXPRESSION OF A DETOXIFYING ENZYME.

AU DE BLOCK M; BOTTERMAN J; VANDEWIELE M; DOCKX J; THOEN C; GOSSELE V;  
MOVVA N R; THOMPSON C; VAN MONTAGU M; LEEMANS J

CS PLANT GENETIC SYSTEMS N.V., J. PLATEAASTRAAT 22, B-9000 GENT, BELG.

SO EMBO (EUR MOL BIOL ORGAN) J 6 (9). 1987. 2513-2518. CODEN: EMJODG  
ISSN: 0261-4189

LA English

L3 ANSWER 33 OF 35

AN 87:442153 BIOSIS

DN BA84:97991

TI PROTOPLAST FUSION A NOVEL APPROACH TO ORGANELLE GENETICS IN HIGHER  
PLANTS.

AU KUMAR A; COCKING E C

CS DEP. GENETICS, UNIV. LEEDS, LEEDS LS2 9JT, ENGLAND.

SO AM J BOT 74 (8). 1987. 1289-1303. CODEN: AJBOAA ISSN: 0002-9122

LA English

L3 ANSWER 34 OF 35

11:00:28 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 34 OF 35

AN 86:11960 BIOSIS

DN BR30:11960

TI \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANT\*\*\* CROPS TO BE FIRST  
\*\*\*RECOMBINANT\*\*\* PLANT PRODUCTS.

AU MOFFAT A S

SO GENET ENG NEWS 5 (9). 1985. 16. CODEN: GENNDX ISSN: 0270-6377

LA English

Q17442 540

L3 ANSWER 35 OF 35

AN 84:306975 BIOSIS

DN BA78:43455

TI ATRAZINE BROMACIL AND DIURON RESISTANCE IN CHLAMYDOMONAS-REINHARDII A  
SINGLE NON-MENDELIAN GENETIC LOCUS CONTROLS THE STRUCTURE OF THE  
THYLAKOID BINDING SITE.

AU GALLOWAY R E; METS L J

CS DEP. BIOL., UNIV. CHICAGO, 1103 EAST 57TH ST., CHICAGO, ILL. 60637.

SO PLANT PHYSIOL (BETHESDA) 74 (3). 1984. 469-474. CODEN: PLPHAY ISSN:  
0032-0889

LA English

=> d his

(FILE 'HOME' ENTERED AT 10:54:09 ON 21 NOV 91)

FILE 'BIOSIS' ENTERED AT 10:55:11 ON 21 NOV 91

L1 364 S HERBICIDE RESISTAN?

L2 54083 S TRANSGENIC OR RECOMBIN?

13:01:03 COPY3BN0 CLEARPAGE, PLEASE

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

22.60

23.32

AU STALKER D M; MCBRIDE K E; MALYJ L D  
CS CALGENE, 1920 FIFTH STREET, DAVIS, CALIF. 95616.  
SO SCIENCE (WASHINGTON D C) 242 (4877). 1988. 419- . CODEN: SCIEAS  
ISSN: 0036-8075  
LA English

L3 ANSWER 28 OF 35

10:59:38 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 28 OF 35

AN 88:465089 BIOSIS  
DN BA86:106808  
TI REACTION CENTERS FROM THREE \*\*\*HERBICIDE\*\*\* - \*\*\*RESISTANT\*\*\*  
MUTANTS OF RHODOBACTER-SPHAEROIDES 2.4.1 SEQUENCE ANALYSIS AND  
PRELIMINARY CHARACTERIZATION.  
AU PADDOCK M L; RONGEY S H; ABRESCH E C; FEHER G; OKAMURA M Y  
CS DEP. PHYS., B-109, UNIV. CALIF., SAN DIEGO, LA JOLLA, CALIF. 92093.  
SO PHOTOSYNTH RES 17 (1-2). 1988. 75-96. CODEN: PHRSDI ISSN: 0166-8595  
LA English

L3 ANSWER 29 OF 35

AN 88:430721 BIOSIS  
DN BR35:82851  
TI THE ENGINEERING OF \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANT\*\*\*  
\*\*\*TRANSGENIC\*\*\* PLANTS.  
AU DE BLOCK M; BOTTERMAN J; THOEN C; THOMPSON C; LEEMANS J  
CS PLANT GENETIC SYSTEMS, J. PLATEAUSTR. 22, 9000 GENT, BELG.  
SO FIRST FORUM FOR APPLIED BIOTECHNOLOGY, PART II, OCTOBER 1, 1987.  
MEDED FAC LANDBOUW WET RIJKSUNIV GENT 52 (4 PART B). 1987. 1843-1846.  
CODEN: MFLRA3 ISSN: 0368-9697  
LA English

L3 ANSWER 30 OF 35

11:00:00 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 30 OF 35

AN 88:199448 BIOSIS  
DN BA85:100794  
TI EXPRESSION OF GLYPHOSATE RESISTANCE IN CARROT SOMATIC HYBRID CELLS  
THROUGH THE TRANSFER OF AN AMPLIFIED 5 ENOLPYRUVYL SHIKIMIC  
ACID-3-PHOSPHATE SYNTHASE GENE.  
AU HAUPTMANN R M; DELLA-CIOPPA G; SMITH A G; KISHORE G M; WIDHOLM J M  
CS UNIV. ILL., DEP. AGRON., 1102 SOUTH GOODWIN AVE., URBANA, IL 61801,  
USA.  
SO MOL GEN GENET 211 (2). 1988. 357-363. CODEN: MGGEAE ISSN: 0026-8925  
LA English

L3 ANSWER 31 OF 35

AN 88:199447 BIOSIS  
DN BA85:100793  
TI TRANSFORMATION WITH A MUTANT ARABIDOPSIS ACETOLACTATE SYNTHASE GENE  
RENDERS TOBACCO RESISTANT TO SULFONYLUREA HERBICIDES.  
AU HAUGHN G W; SMITH J; MAZUR B; SOMERVILLE C  
CS MSU-DOE PLANT RES. LAB., MICH. STATE UNIV., EAST LANSING, MI 48824,  
USA.  
SO MOL GEN GENET 211 (2). 1988. 266-271. CODEN: MGGEAE ISSN: 0026-8925  
LA English

L3 ANSWER 32 OF 35

DN BA87:48161  
TI THE MOLECULAR BASIS OF SULFONYLUREA \*\*\*HERBICIDE\*\*\*  
\*\*\*RESISTANCE\*\*\* IN TOBACCO.  
AU LEE K Y; TOWNSEND J; TEPPERMAN J; BLACK M; CHUI C F; MAZUR B;  
DUNSMUIR P; BEDBROOK J  
CS ADVANCED GENETIC SCI. INC., 6701 SAN PABLO AVE., OAKLAND, CALIF.  
94608.  
SO EMBO (EUR MOL BIOL ORGAN) J 7 (5). 1988. 1241-1248. CODEN: EMJODG  
ISSN: 0261-4189  
LA English

L3 ANSWER 24 OF 35

10:59:13 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 24 OF 35

AN 89:76958 BIOSIS  
DN BA87:41356  
TI STRUCTURE OF THE REACTION CENTER FROM RHODOBACTER-SPHAEROIDES R-26  
PROTEIN-COFACTOR QUINONES AND IRON-II ION INTERACTIONS.  
AU ALLEN J P; FEHER G; YEATES T O; KOMIYA H; REES D C  
CS UNIV. CALIFORNIA SAN DIEGO, LA JOLLA, CALIF. 92093.  
SO PROC NATL ACAD SCI U S A 85 (22). 1988. 8487-8491. CODEN: PNASA6  
ISSN: 0027-8424  
LA English

L3 ANSWER 25 OF 35

AN 89:72513 BIOSIS  
DN BA87:36911  
TI NUCLEOTIDE SEQUENCE OF THE PHOSPHINOTHRICIN N-ACETYLTRANSFERASE GENE  
FROM STREPTOMYCES-VIRIDIOCHROMOGENES TU494 AND ITS EXPRESSION IN  
NICOTIANA-TABACUM.  
AU WOHLLENBEN W; ARNOLD W; BROER I; HILLEMANN D; STRAUCH E; PUEHLER A  
CS LEHRSTUHL FUER GENETIK, FAK. BIOL., UNIV. BIELEFELD, POSTFACH 8640,  
D-4800 BIELEFELD 1, W. GER.  
SO GENE (AMST) 70 (1). 1988. 25-38. CODEN: GENED6 ISSN: 0378-1119  
LA English

L3 ANSWER 26 OF 35

10:59:25 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 26 OF 35

AN 89:60977 BIOSIS  
DN BR36:27768  
TI PLANT GENE RESEARCH BASIC KNOWLEDGE AND APPLICATION TEMPORAL AND  
SPATIAL REGULATION OF PLANT GENES.  
AU VERMA D P S; GOLDBERG R B  
CS BIOTECHNOL. CENT., OHIO STATE UNIV., COLUMBUS, OHIO, USA.  
SO VERMA, D. P. S. AND R. B. GOLDBERG (ED.). PLANT GENE RESEARCH: BASIC  
KNOWLEDGE AND APPLICATION: TEMPORAL AND SPATIAL REGULATION OF PLANT  
GENES. XIII+344P. SPRINGER-VERLAG: VIENNA, AUSTRIA; NEW YORK, NEW  
YORK, USA. ILLUS. 0 (0). 1988. XIII+344P. ISBN: 3-211-82046-9;  
0-387-82046-9  
DT Book  
LA English

L3 ANSWER 27 OF 35

AN 89:9809 BIOSIS  
DN BA87:9809  
TI \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANCE\*\*\* IN \*\*\*TRANSGENIC\*\*\*  
PLANTS EXPRESSING A BACTERIAL DETOXIFICATION GENE.

(UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND  
CELLULAR BIOLOGY, PARK CITY, UTAH, USA, APRIL 1-7, 1989. J CELL  
BIOCHEM SUPPL 0 (13 PART D). 1989. 332. CODEN: JCB7

DT Conference  
LA English

L3 ANSWER 19 OF 35

AN 89:404390 BIOSIS  
DN BA88:73815  
TI OVERPRODUCTION OF ALFALFA GLUTAMINE SYNTHETASE IN \*\*\*TRANSGENIC\*\*\*  
TOBACCO PLANTS.  
AU ECKES P; SCHMITT P; DAUB W; WENGENMAYER F  
CS DEP. MOLECULAR BIOL., MASS. GENERAL HOSP., BOSTON, MASS. 02114, USA.  
SO MOL GEN GENET 217 (2-3). 1989. 263-268. CODEN: MGGEAE ISSN:  
0026-8925  
LA English

L3 ANSWER 20 OF 35

10:58:48 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 20 OF 35

AN 89:380507 BIOSIS  
DN BA88:61097  
TI CHARACTERIZATION OF FOUR \*\*\*HERBICIDE\*\*\* - \*\*\*RESISTANT\*\*\*  
MUTANTS OF RHODOPSEUDOMONAS-VIRIDIS BY GENETIC ANALYSIS EPR AND  
OPTICAL SPECTROSCOPY.  
AU SINNING I; MICHEL H; MATHIS P; RUTHERFORD A W  
CS MAX-PLANCK-INST. BIOPHYSIK, HEINRICH-HOFFMANN-STR. 7, D-6000  
FRANKFURT 71, W. GER.  
SO BIOCHEMISTRY 28 (13). 1989. 5544-5553. CODEN: BICHAW ISSN: 0006-2960  
LA English

L3 ANSWER 21 OF 35

AN 89:131763 BIOSIS  
DN BA87:66416  
TI INHERITANCE AND EXPRESSION OF GENES FOR KANAMYCIN AND CHLORAMPHENICOL  
RESISTANCE IN \*\*\*TRANSGENIC\*\*\* COTTON PLANTS.  
AU UMBECK P; SWAIN W; YANG N-S  
CS AGRACETUS, 8520 UNIVERSITY GREEN, MIDDLETON, WIS. 53562.  
SO CROP SCI 29 (1). 1989. 196-201. CODEN: CRPSAY ISSN: 0011-183X  
LA English

L3 ANSWER 22 OF 35

10:59:01 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 22 OF 35

AN 89:103182 BIOSIS  
DN BR36:48598  
TI EVALUATION OF \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANCE\*\*\* IN  
\*\*\*TRANSGENIC\*\*\* CROPS UNDER FIELD CONDITIONS.  
AU DE GREEF W; DELON R; DE BLOCK M; LEEMANS J; BOTTERMAN J  
CS PLANT GENETIC SYSTEMS, N.V., J. PLATESAUSTRAT 22, 9000 GENT,  
BELGIUM.  
SO BIO-TECHNOLOGY (N Y) 7 (1). 1989. 61-64. CODEN: BTCHDA ISSN:  
0733-222X  
LA English

L3 ANSWER 23 OF 35

AN 89:94025 BIOSIS

DN BR39:75549  
TI COMMERCIALIZATION OF ELITE LINES OF \*\*\*TRANSGENIC\*\*\* SOYBEAN  
PLANTS.  
AU FORD T L; MCCABE D E; SWAIN W F; YANG N S; MARTINELL B J; CHRISTOU P  
CS AGRACETUS, 8520 UNIV. GREEN, MIDDLETON, WIS. 53562.  
SO FORTY-FIRST ANNUAL MEETING OF THE TISSUE CULTURE ASSOCIATION,  
HOUSTON, TEXAS, USA, JUNE 10-13, 1990. IN VITRO CELL DEV BIOL 26 (3  
PART 2). 1990. 45A. CODEN: ICDBED ISSN: 0883-8364  
DT Conference  
LA English

L3 ANSWER 15 OF 35

AN 90:336147 BIOSIS  
DN BA90:44166  
TI IN-VITRO STUDY OF \*\*\*TRANSGENIC\*\*\* TOBACCO EXPRESSING ARABIDOPSIS  
WILD TYPE AND MUTANT ACETOHYDROXYACID SYNTHASE GENES.  
AU CHAREST P J; HATTORI J; DEMOOR J; IYER V N; MIKI B L  
CS PLANT RES. CENTRE, AGRIC. CAN., OTTAWA, ONT. K1A 0C6, CAN.  
SO PLANT CELL REP 8 (11). 1990. 643-646. CODEN: PCRPD8 ISSN: 0721-7714  
LA English

L3 ANSWER 16 OF 35

10:58:22 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 16 OF 35

AN 90:170896 BIOSIS  
DN BR38:81684  
TI COMBINING CONVENTIONAL PLANT BREEDING PROCEDURES WITH MOLECULAR BASED  
APPROACHES.  
AU BARTELS D; GEBHARDT C; KNAPP S; ROHDE W; THOMPSON R; UHRIG H;  
SALAMINI F  
CS MAX-PLANCK-INST. ZUECHTUNGSFORSCHUNG, D-5000 KOELN 30, FRG.  
SO XVITH INTERNATIONAL CONGRESS OF GENETICS ON GENETICS AND THE UNITY OF  
BIOLOGY, PART 2 OF 2, TORONTO, ONTARIO, CANADA, AUGUST 20-27, 1988.  
GENOME 31 (2). 1989. 1014-1026. CODEN: GENOE3 ISSN: 0831-2796  
DT Conference  
LA English

L3 ANSWER 17 OF 35

AN 90:163019 BIOSIS  
DN BR38:73807  
TI GENETIC ENGINEERING OF \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANCE\*\*\* IN  
HIGHER PLANTS.  
AU SCHULZ A; WENGENMAYER F; GOODMAN H M  
CS DEP. BIOL. RES., HOECHST AG, FRANKFURT, FRG.  
SO CRIT REV PLANT SCI 9 (1). 1990. 1-16. CODEN: CRPSD3 ISSN: 0735-2689  
LA English

L3 ANSWER 18 OF 35

10:58:35 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 18 OF 35

AN 89:421006 BIOSIS  
DN BR37:76469  
TI USE OF THE ALS GENE OF ARABIDOPSIS-THALIANA FOR SULFONYLUREA AND  
IMIDAZOLINONE \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANCE\*\*\* IN  
\*\*\*TRANSGENIC\*\*\* NICOTIANA-TABACUM AND BRASSICA-NAPUS.  
AU CHAREST P J; HATTORI J; DEMOOR J; IYER V N; MIKI B L  
CS PETAWAWA NATL. FOR. INST., CHALK RIVER, ONT. K0J 1J0, CAN.  
SO SYMPOSIUM ON PLANT GENE TRANSFER HELD AT THE 18TH ANNUAL UCLA

10:57:41 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 10 OF 35

AN 91:22429 BIOSIS

DN BA91:11780

TI TRANSFORMATION OF BRASSICA-NAPUS CANOLA CULTIVARS WITH  
ARABIDOPSIS-THALIANA ACETOHYDROXY ACID SYNTHASE GENES AND ANALYSIS OF  
\*\*\*HERBICIDE\*\*\* \*\*\*RESISTANCE\*\*\* .

AU MIKI B L; LABBE H; HATTORI J; OUELLET T; GABARD J; SUNOHARA G;  
CHAREST P J; IYER V N

CS PLANT RES. CENT., AGRIC. CANADA, OTTAWA, ONTARIO K1A 0C6, CANADA.

SO THEOR APPL GENET 80 (4). 1990. 449-458. CODEN: THAGA6 ISSN:  
0040-5752

LA English

L3 ANSWER 11 OF 35

AN 91:22363 BIOSIS

DN BA91:11714

TI EVOLVING STRATEGIES FOR THE GENETIC ENGINEERING OF \*\*\*HERBICIDE\*\*\*  
\*\*\*RESISTANCE\*\*\* IN PLANTS.

AU QUINN J P

CS SCH. BIOL. BIOCHEM., DAVID KEIR BUILD., QUEEN'S UNIV. BELFAST,  
STRANMILLIS RD., BELFAST BT9 5AG, UK.

SO BIOTECHNOL ADV 8 (2). 1990. 321-334. CODEN: BIADDD ISSN: 0734-9750

LA English

L3 ANSWER 12 OF 35

10:57:56 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 12 OF 35

AN 90:506301 BIOSIS

DN BR39:118297

TI \*\*\*HERBICIDE\*\*\* - \*\*\*RESISTANT\*\*\* \*\*\*TRANSGENIC\*\*\* PLANTS  
CARRYING MUTATED ACETOLACTATE SYNTHASE GENES.

AU HARTNETT M E; CHUI C-F; MAUVAIS C J; MCDEVITT R E; KNOWLTON S; SMITH  
J K; FALCO S C; MAZUR B J

CS E.I. DU PONT DE NEMOURS AND CO. INC., AGRIC. PROD. DEP., EXP. STN.,  
WILMINGTON, DEL. 19880-0402, USA.

SO SYMPOSIUM ON MOLECULAR STRATEGIES FOR CROP IMPROVEMENT HELD AT THE  
19TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON  
MOLECULAR AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA, APRIL 16-22,  
1990. J CELL BIOCHEM SUPPL 0 (14 PART E). 1990. 301. CODEN: JCBSD7

DT Conference

LA English

L3 ANSWER 13 OF 35

AN 90:421402 BIOSIS

DN BA90:82203

TI ENGINEERING OF \*\*\*HERBICIDE\*\*\* - \*\*\*RESISTANT\*\*\* ALFALFA AND  
EVALUATION UNDER FIELD CONDITIONS.

AU D'HALLUIN K; BOTTERMAN J; DE GREEF W

CS PLANT GENETIC SYSTEM N.V., J. PLATEAUSTR. 22, B-9000 GENT, BELG.

SO CROP SCI 30 (4). 1990. 866-871. CODEN: CRPSAY ISSN: 0011-183X

LA English

L3 ANSWER 14 OF 35

10:58:08 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 14 OF 35

AN 90:404588 BIOSIS

LAB. GENETICA, RIJKSUNIVERSITEIT GENT, B-9000 GENT, BELG.  
SO GUSTAFSON, J. P. (ED.). STADLER GENETICS SYMPOSIA SERIES: GENE  
MANIPULATION IN PLANT IMPROVEMENT, II; 19TH STADLER GENETICS  
SYMPOSIUM, COLUMBIA, MISSOURI, USA, MARCH 13-15, 1989. IX+437P.  
PLENUM PRESS: NEW YORK, NEW YORK, USA; LONDON, ENGLAND, UK. ILLUS. 0  
(0). 1990. 237-250. ISBN: 0-306-43595-0

DT Conference

LA English

10:57:11 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 6 OF 35

AN 91:276578 BIOSIS

DN BA92:9193

TI REACTION CENTERS FROM THREE \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANT\*\*\*  
MUTANTS OF RHODOBACTER-SPHAEROIDES 2.4.1 KINETICS OF ELECTRON  
TRANSFER REACTIONS.

AU PADDOCK M L; FEHER G; OKAMURA M Y

CS DEP. PHYSICS, B-019, UNIV. CALIFORNIA, SAN DIEGO, LA JOLLA, CA 92093,  
USA.

SO PHOTOSYNTH RES 27 (2). 1991. 109-120. CODEN: PHRSDI ISSN: 0166-8595

LA English

L3 ANSWER 7 OF 35

AN 91:185807 BIOSIS

DN BA91:100556

TI LOW FREQUENCY OF POLLEN DISPERSAL FROM A FIELD TRIAL OF  
\*\*\*TRANSGENIC\*\*\* POTATOES.

AU TYNAN J L; WILLIAMS M K; CONNER A J

CS DSIR CROP RES., PRIVATE BAG, CHRISTCHURCH, NEW ZEALAND.

SO J GENET BREED 44 (4). 1990. 303-306. CODEN: JGBREX

LA English

L3 ANSWER 8 OF 35

10:57:28 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 8 OF 35

AN 91:135315 BIOSIS

DN BA91:71855

TI SURVIVAL IN SOILS OF AN \*\*\*HERBICIDE\*\*\* - \*\*\*RESISTANT\*\*\*  
PSEUDOMONAS-PUTIDA STRAIN BEARING A \*\*\*RECOMBINANT\*\*\* TOL  
PLASMID.

AU RAMOS J L; DUQUE E; RAMOS-GONZALEZ M-I

CS ESTACION EXPERIMENTAL DEL ZAIDIN, DEP. PLANT BIOCHEM., CONSEJO  
SUPERIOR DE INVESTIGACIONES CIENTIFICAS, APTD. 419, 18080 GRANADA,  
SPAIN.

SO APPL ENVIRON MICROBIOL 57 (1). 1991. 260-266. CODEN: AEMIDF ISSN:  
0099-2240

LA English

L3 ANSWER 9 OF 35

AN 91:91469 BIOSIS

DN BA91:50359

TI COMPARISON OF INCREASED EXPRESSION OF WILD-TYPE AND \*\*\*HERBICIDE\*\*\*  
- \*\*\*RESISTANT\*\*\* ACETOLACTATE SYNTHASE GENES IN  
\*\*\*TRANSGENIC\*\*\* PLANTS AND INDICATION OF POSTTRANSCRIPTIONAL  
LIMITATION ON ENZYME ACTIVITY.

AU ODELL J T; CAIMI P G; YADAV N S; MAUVAIS C J

CS AGRIC. PRODUCTS DEP., EXPERIMENTAL STATION, E. I. DU PONT DE NEMOURS  
AND CO., WILMINGTON, DEL. 19880-0402.

SO PLANT PHYSIOL (BETHESDA) 94 (4). 1990. 1647-1654. CODEN: PLPHAY  
ISSN: 0032-0889

LA English

AN 91:506052 BIOSIS  
DN BA92:129012  
TI STUDY OF Q-B-NEGATIVE STABILIZATION IN \*\*\*HERBICIDE\*\*\* -  
\*\*\*RESISTANT\*\*\* MUTANTS FROM THE PURPLE BACTERIUM  
RHODOPSEUDOMONAS-VIRIDIS.  
AU BACIOU L; SINNING I; SEBBAN P  
CS UPR 407, BAT 24 CNRS, CENTRES REACTIONNELS PHOTOSYNTHETIQUES, GIF SUR  
YVETTE 91198, FR.  
SO BIOCHEMISTRY 30 (37). 1991. 9110-9116. CODEN: BICHAW ISSN: 0006-2960  
LA English

L3 ANSWER 2 OF 35

10:56:53 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 2 OF 35

AN 91:419838 BIOSIS  
DN BR41:69383  
TI QUANTIFYING THE SPREAD OF \*\*\*RECOMBINANT\*\*\* GENES AND ORGANISMS.  
AU MANASSE R; KAREIVA P  
CS DEP. ZOOL., UNIV. WASH., SEATTLE, WASH.  
SO GINZBURG, L. R. (ED.). ASSESSING ECOLOGICAL RISKS OF BIOTECHNOLOGY.  
XIX+379P. BUTTERWORTH-HEINEMANN: STONEHAM, MASSACHUSETTS, USA;  
LONDON, ENGLAND, UK. ILLUS. 0 (0). 1991. 215-232. ISBN:  
0-409-90199-7  
LA English

L3 ANSWER 3 OF 35

AN 91:412422 BIOSIS  
DN BA92:79387  
TI EVOLUTION OF PESTICIDE PRODUCTS OVER THE NEXT FEW YEARS SOME  
EXAMPLES.  
AU HERVE J-J  
CS ACAD. AGRIC., DIRECTEUR LICENCES AGRO-VETERINAIRES SOCIETE,  
ROUSSEL-UCLAF.  
SO C R ACAD AGRIC FR 76 (8). 1990. 71-82. CODEN: CRAFEQ ISSN: 0989-6988  
LA French

L3 ANSWER 4 OF 35

10:57:00 COPY AND CLEAR PAGE, PLEASE

L3 ANSWER 4 OF 35

AN 91:401158 BIOSIS  
DN BR41:63003  
TI INTRODUCTION OF BAR GENE INTO ATROPA-BELLADONNA USING RI-BINARY  
VECTOR SYSTEM AND \*\*\*HERBICIDE\*\*\* \*\*\*RESISTANCE\*\*\* OF  
\*\*\*TRANSGENIC\*\*\* PLANTS.  
AU YAMAZAKI M; SAITO K; MURAKOSHI I; ANZAI H; YONEYAMA K; YAMAGUCHI I  
CS FAC. PHARM. SCI., CHIBA UNIV., CHIBA 260, JPN.  
SO ANNUAL MEETING OF THE AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS,  
ALBUQUERQUE, NEW MEXICO, USA, JULY 28-AUGUST 1, 1991. PLANT PHYSIOL  
(BETHESDA) 96 (1 SUPPL.). 1991. 161. CODEN: PLPHAY ISSN: 0032-0889  
DT Conference  
LA English

L3 ANSWER 5 OF 35

AN 91:397717 BIOSIS  
DN BR41:59562  
TI \*\*\*TRANSGENIC\*\*\* PLANTS.  
AU DEKEYSER R; INZE D; VAN MONTAGU M



dhis  
'DHIS' IS NOT A RECOGNIZED COMMAND

=> d his

(FILE 'USPAT' ENTERED AT 10:33:58 ON 21 NOV 91)

L1 0 S HERBACIDE RESISTAN?  
L2 29 S HERBICIDE RESIST?  
L3 2762 S RECOMBINANT OR TRANSGENIC  
L4 9 S L2 AND L3

=> d 1-9

1. 5,049,500, Sep. 17, 1991, Pollen-mediated gene transformation in plants; Charles J. Arnizen, et al., 435/172.3, 172.1, 317.1, 320.1; 935/59, 64 [IMAGE AVAILABLE]
2. 5,034,323, Jul. 23, 1991, Genetic engineering of novel plant phenotypes; Richard A. Jorgensen, et al., 435/172.3; 536/27; 800/205, DIG.67; 935/30, 35, 67 [IMAGE AVAILABLE]
3. 5,034,322, Jul. 23, 1991, Chimeric genes suitable for expression in plant cells; Stephen G. Rogers, et al., 435/172.3, 69.1, 183, 252.2, 252.3, 252.33, 320.1; 536/27; 935/30, 35, 36, 67 [IMAGE AVAILABLE]
4. 5,013,659, May 7, 1991, Nucleic acid fragment encoding \*\*herbicide\*\* \*\*resistant\*\* plant acetolactate synthase; John R. Bedbrook, et al., 435/172.3, 172.1, 183; 536/27; 935/9, 10, 14 [IMAGE AVAILABLE]  
10:38:20 COPY AND CLEAR PAGE, PLEASE
5. 4,975,374, Dec. 4, 1990, Expression of wild type and mutant glutamine synthetase in foreign hosts; Howard Goodman, et al., 435/172.3, 183, 252.3, 252.33; 536/27; 935/14, 29, 30, 73 [IMAGE AVAILABLE]
6. 4,855,237, Aug. 8, 1989, Double-stranded DNA having sequences complementary to a single-stranded DNA and derived from a bean golden mosaic virus; Tsuto Morinaga, et al., 435/320.1, 172.3, 948; 536/27; 935/25, 28, 29
7. 4,789,636, Dec. 6, 1988, Double-stranded DNA having sequences complementary to a single-stranded DNA and derived from mungbean yellow mosaic virus; Tsuto Morinaga, et al., 435/320.1, 91, 172.1, 172.3; 536/27; 935/25
8. 4,761,373, Aug. 2, 1988, \*\*Herbicide\*\* \*\*resistance\*\* in plants; Paul C. Anderson, et al., 800/205; 47/58; 435/172.1, 240.4, 948; 800/235, 250, DIG.56, DIG.63, DIG.71
9. 4,745,065, May 17, 1988, Genes conferring on yeasts a resistance to herbicides; Jean M. A. G. Delcour, et al., 435/256, 172.1, 172.3, 255, 320.1; 935/28, 69

=> d his

(FILE 'HOME' ENTERED AT 10:54:09 ON 21 NOV 91)

FILE 'BIOSIS' ENTERED AT 10:55:11 ON 21 NOV 91

L1 364 S HERBICIDE RESISTAN?  
L2 54083 S TRANSGENIC OR RECOMBIN?  
L3 35 S L1(P)L2

=> d 1-35

L3 ANSWER 1 OF 35

d his

(FILE 'USPAT' ENTERED AT 11:00:26 ON 01 APR 91)

L1 2024 S 2,4-DICHLOROPHENOXY?  
L2 54 S MONOOXYGENASE  
L3 2 S L1 AND L2

=> d 1-2

1. 4,493,895, Jan. 15, 1985, Microbial degradation of obnoxious organic wastes into innocuous materials; Joseph F. Colaruotolo, et al., 435/262; 210/600, 601, 605, 610, 611; 435/172.3, 874; 935/29, 59, 72

2. 4,477,570, Oct. 16, 1984, Microbial degradation of obnoxious organic wastes into innocuous materials; Joseph F. Colaruotolo, et al., 435/252.34, 172.3, 253.3, 262, 320.1; 935/29, 59, 72

=> d 1 kwic

US PAT NO: 4,493,895

L3: 1 of 2

SUMMARY:

BSUM(21)

Over . . . also see Evans, W. C.; Smith, B. S. W.; Fernley, H. N.; and Davies, J. I. (1971), "Bacterial Metabolism of

01:00R491C0BY0ANB1CLEAR PAGEU. PLEASE

Ent & Trademark Office P0004

US PAT NO: 4,493,895

L3: 1 of 2

BSUM(21)

\*\*2,4\*\*--\*\*Dichlorophenoxy\*\* Acetate, Biochem J., 122, 543-551.

Chlorocatechol is known to be an intermediate in many of the metabolic pathways for utilization. . . alcohol, benzyl epoxide and methyl benzyl alcohol. Dechlorinating ability of M. trichosporium was attributed to the activity of the methane \*\*monooxygenase\*\* system of the organism. These are the more pertinent examples of the scientific publications available as background on the Microbial. . .

=>

d his

(FILE 'HOME' ENTERED AT 11:03:06 ON 01 APR 91)

FILE 'MEDLINE' ENTERED AT 11:03:32 ON 01 APR 91

L1 786 S 2,4-DICHLOROPHENOXYACET?  
L2 2928 S MONOOXYGENASE#  
L3 8 S L1 AND L2

01:00R581C0BY0ANB6CLEAR PAGE, PLEASETN INTERNATIONAL

P0003

=> d 1-8

L3 ANSWER 1 OF 8

AN 89123036 MEDLINE

TI Phenoxyacetic acid degradation by the \*\*\*\*2\*\*\* , \*\*\*\*4\*\*\* -  
\*\*\*\*dichlorophenoxyacetic\*\*\* acid (TFD) pathway of plasmid pJP4:  
mapping and characterization of the TFD regulator gene, tfdR.

AU Harker AR; Olsen RH; Seidler RJ

CS Corvallis Environmental Research Laboratory, U.S. Environmental

Protection Agency, Oregon 97333.  
SD J Bacteriol, (1989 Jan) 171 (1) 314-20  
Journal code: HH3 ISSN: 0021-9193  
CY United States (Z1.107.567.875.)  
LA English  
FS Priority Journals  
EM 8905

L3 ANSWER 2 OF 8

01:000071C00Y0AND6CLEAR PAGE, PLEASEBN INTERNATIONAL

P0004

L3 ANSWER 2 OF 8

AN 89053891 MEDLINE  
TI Duplication of a \*\*\*2\*\*\* , \*\*\*4\*\*\* -  
\*\*\*dichlorophenoxyacetic\*\*\* acid \*\*\*monooxygenase\*\*\* gene in  
Alcaligenes eutrophus JMP134(pJP4).  
AU Perkins EJ; Lurquin PF  
CS Program in Genetics and Cell Biology, Washington State University,  
Pullman 99163-4350.  
SD J Bacteriol, (1988 Dec) 170 (12) 5669-72  
Journal code: HH3 ISSN: 0021-9193  
CY United States (Z1.107.567.875.)  
LA English  
FS Priority Journals  
EM 8903

L3 ANSWER 3 OF 8

01:000101C00Y0AND8CLEAR PAGE, PLEASEBN INTERNATIONAL

P0005

L3 ANSWER 3 OF 8

AN 88314879 MEDLINE  
TI Isolation and characterization of a new plasmid from a Flavobacterium  
sp. which carries the genes for degradation of \*\*\*2\*\*\* , \*\*\*4\*\*\*  
- \*\*\*dichlorophenoxyacetate\*\*\* .  
AU Chaudhry GR; Huang GH  
CS Institute of Food and Agricultural Sciences, University of Florida,  
Gainesville 32611.  
SD J Bacteriol, (1988 Sep) 170 (9) 3897-902  
Journal code: HH3 ISSN: 0021-9193  
CY United States (Z1.107.567.875.)  
LA English  
FS Priority Journals  
EM 8812

L3 ANSWER 4 OF 8

01:000201C00Y0AND8CLEAR PAGE, PLEASEBN INTERNATIONAL

P0006

L3 ANSWER 4 OF 8

AN 88266245 MEDLINE  
TI [The characteristics of metabolism of organochlorine insecticides in  
warm-blooded animals after induction of the \*\*\*monooxygenase\*\*\*  
system of the liver]  
Osobennosti metabolizma khlororganicheskikh pestitsidov v organizme  
teplokrovnykh na fone induktsii monooksigenaznoi sistemy pecheni.  
AU Kokarovtseva MG; Ovsiannikova LM; Klisenko MA; Murashko SV; Demchenko  
VF  
SD Vestn Akad Med Nauk SSSR, (1988) (3) 76-81  
Journal code: X9A ISSN: 0002-3027  
CY USSR (Z1.252.878.)  
DT (English Abstract)

LA Russian  
EM 8810

L3 ANSWER 5 OF 8

000381C0BY0AM08CLEAR PAGE, PLEASEBN INTERNATIONAL

P0007

L3 ANSWER 5 OF 8

87250253 MEDLINE

Analysis, cloning, and high-level expression of \*\*\*2\*\*\* , \*\*\*4\*\*\*  
- \*\*\*dichlorophenoxyacetate\*\*\* \*\*\*monooxygenase\*\*\* gene tfdA  
of Alcaligenes eutrophus JMP134.

AU Streber WR; Timmis KN; Zenk MH  
SO J Bacteriol, (1987 Jul) 169 (7) 2950-5  
Journal code: HH3 ISSN: 0021-9193  
CY United States (Z1.107.567.875.)  
LA English  
FS Priority Journals  
OS GENBANK-M16730  
EM 8710

L3 ANSWER 6 OF 8

AN 85104761 MEDLINE

TI Transposon mutagenesis and cloning analysis of the pathways for  
degradation of \*\*\*2\*\*\* , \*\*\*4\*\*\* - \*\*\*dichlorophenoxyacetic\*\*\*  
acid and 3-chlorobenzoate in Alcaligenes eutrophus JMP134(pJP4).

AU Don RH; Weightman AJ; Knackmuss HJ; Timmis KN  
SO J Bacteriol, (1985 Jan) 161 (1) 85-90  
Journal code: HH3 ISSN: 0021-9193  
CY United States (Z1.107.567.875.)  
LA English  
FS Priority Journals  
EM 8505

01:000481C0BY0AM01CLEAR PAGE, PLEASEBN INTERNATIONAL

P0008

L3 ANSWER 7 OF 8

AN 84020389 MEDLINE

TI Effects of phenoxyherbicides and glyphosate on the hepatic and  
intestinal biotransformation activities in the rat.

AU Hietanen E; Linnainmaa K; Vainio H  
NC ROI ES-01684  
SO Acta Pharmacol Toxicol (Copenh), (1983 Aug) 53 (2) 103-12  
Journal code: 1QG ISSN: 0001-6683  
CY Denmark (Z1.542.808.224.)  
LA English  
FS Priority Journals  
EM 8401

L3 ANSWER 8 OF 8

AN 82186699 MEDLINE

TI The purification and properties of 2,4-dichlorophenol hydroxylase  
from a strain of Acinetobacter species.

AU Beadle CA; Smith AR  
SO Eur J Biochem, (1982 Apr 1) 123 (2) 323-32  
Journal code: EMZ ISSN: 0014-2956  
CY Germany, West: Germany, Federal Republic of (Z1.542.315.570.)  
LA English  
FS Priority Journals  
EM 8209

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL